User Manual

CloudStor™

CS-WX/1D and CS-WV/1D

Thank you for purchasing the Buffalo CloudStor. This simple device gives you the flexibility of cloud-based storage without the worries that come with storing your important data on someone else's servers. Using Pogoplug software, the CloudStor lets you serve up files, photos, and multimedia over the Web to any of your devices, wherever you may be.

Turn to page 4 to set up your CloudStor.

Because we're constantly updating our products, the images and text in this manual may vary slightly from the images and text displayed by your CloudStor. As time passes, future user interfaces, updated software, and later versions of this manual may be available for download from *www.buffalotech.com*. For more information on CloudStor, see *buffalocloudstor.com*.

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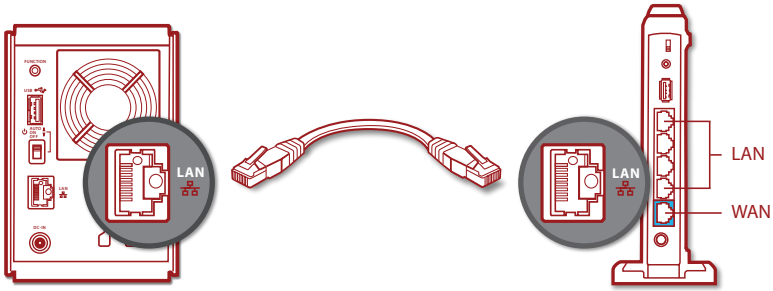
Open a browser window on your computer and go to https://mycloudstor.com/. Click *Set Up Your CloudStor*.

Plug one end of the included Ethernet cable into the Ethernet port on your CloudStor and the other end into any available LAN port on your router.

In the browser window, click *Next*.

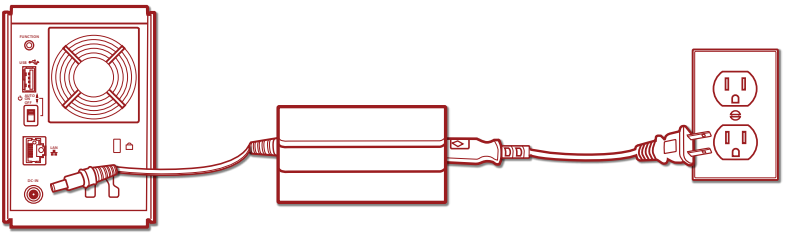


Now, plug your CloudStor into a surge protector, wall socket, or power strip.

Move the power mode switch on the back of the unit to the *on* (middle) position. The blue power LED will begin to blink.

Wait for the CloudStor to boot. This will take about 5 minutes. When the power LED on the front panel stops blinking and glows steadily, the unit has finished booting. The Info/Error LED should not be blinking. If it is, turn to the next page to troubleshoot.

In the browser window, click *Next*. Follow the instructions on the screen to finish installing your CloudStor.



Troubleshooting

If you've connected your CloudStor to a power source and to a router, but the Info/Error LED is flashing amber or your CloudStor suddenly turned off by itself, here are some things you can check:

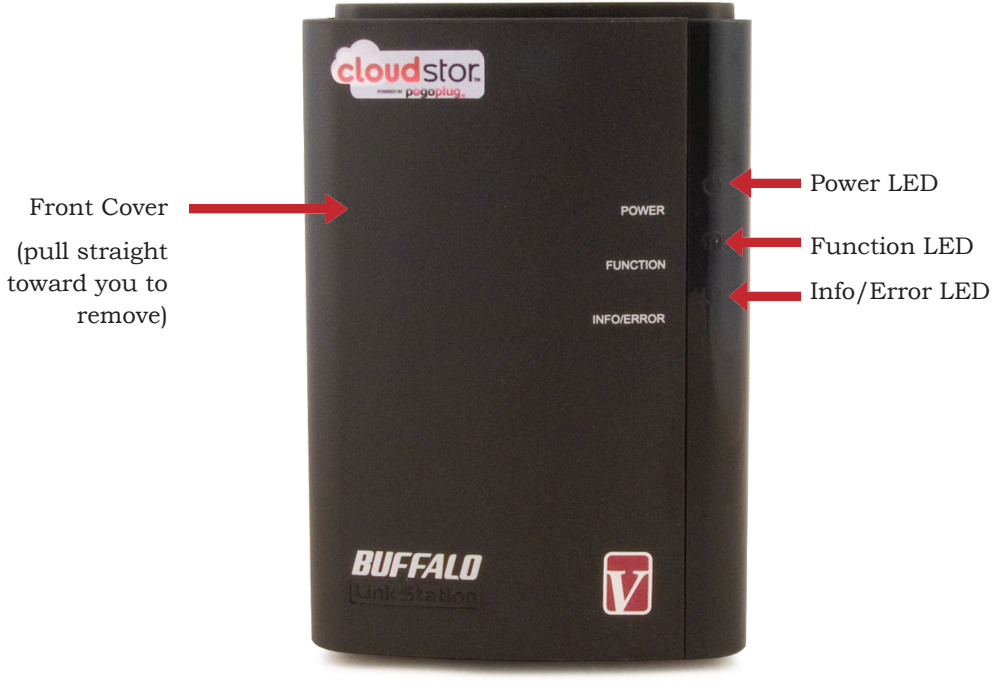
Is the power mode switch on the back of the CloudStor in the *On* position? If it's in the *Auto* (top) position, the CloudStor may suddenly shut down after a few minutes. Move it to the *On* (bottom) position until you've installed NAS Navigator software on your computers.

Is the Info/Error LED on the front of your CloudStor flashing amber? Check the following:

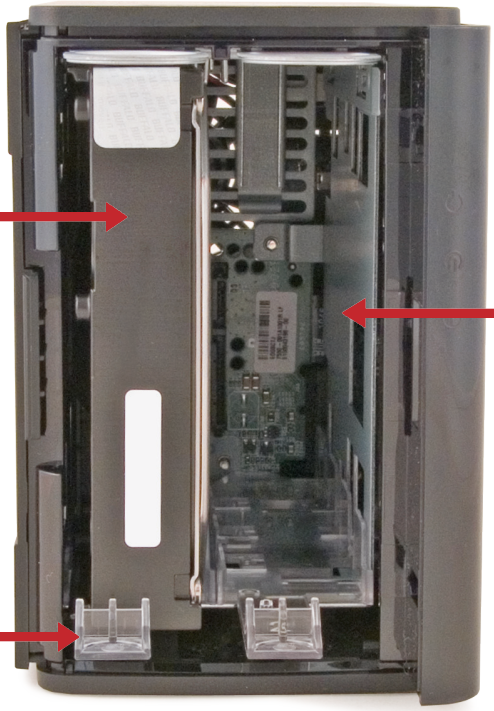
- Is the Ethernet cable connected to your CloudStor and to your router?
- Is your router turned on?
- Is your router configured to automatically assign IP addresses (DHCP)?
- Do you have a firewall installed that blocks UDP, or is UDP disabled on your router?

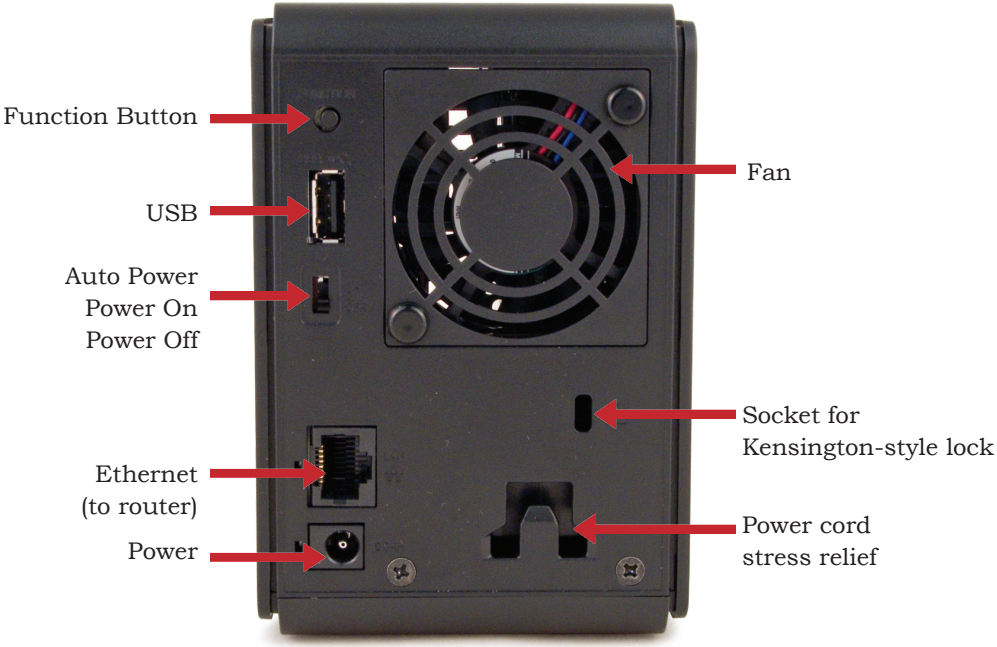
If you have verified all of the above and the Info/Error LED on the front of your CloudStor is still flashing, please move the power mode switch to the *Off* position, wait until the Power LED turns off, and then move it back to the *On* position. It will take several minutes to boot.

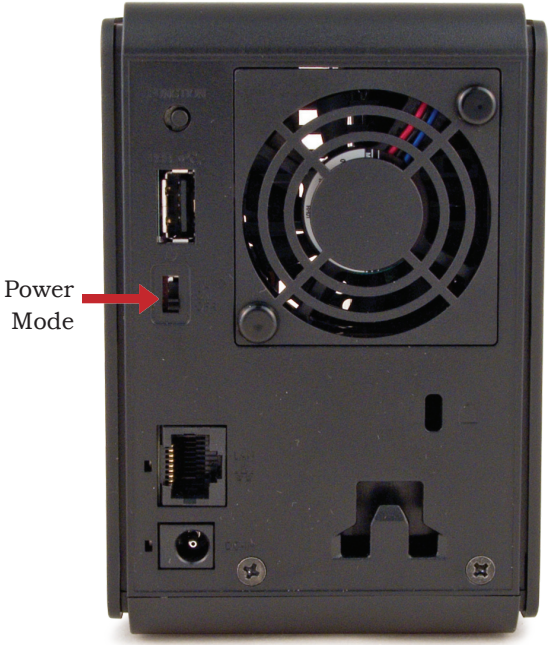
If you continue to have problems, please contact tech support. Tech support contact information is available on pages 50 and 51.


Front Cover
(pull straight toward you to remove)
Power LED
Function LED
Info/Error LED
POWER
FUNCTION
INFO/ERROR
BUFFALO
LinkStation

Front Panel Removed




Function Button
USB
Auto Power
Power On
Power Off
Ethernet
(to router)
Power
Fan
Socket for
Kensington-style lock
Power cord
stress relief



The “Power Mode” switch on the back of the unit has three positions: *Auto*, *On*, and *Off*. The Auto position automatically powers the unit on or off with your PC. If your PC is turned on the CloudStor will power up; if the PC is turned off the CloudStor will power down.

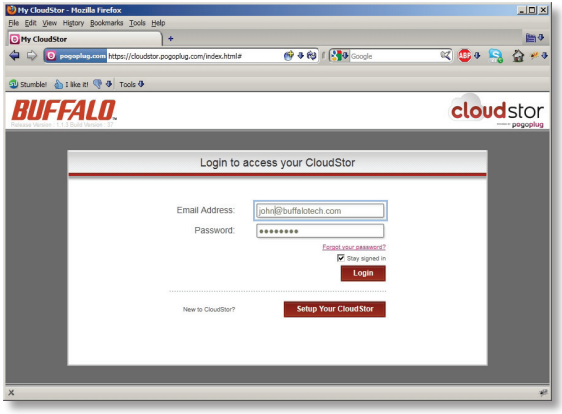
You must have installed the NAS Navigator software (available from www.buffalotech.com) on your PC for this feature to work. Otherwise, if you move the switch to *Auto*, your unit will power down by itself and you will have to manually turn it back on.

Move the switch to the *On* (middle) position to have the CloudStor turn on and stay on.

To turn off the CloudStor, move the switch to the *Off* position. It will take several minutes to fully shut down. Do not unplug the unit until shutdown is complete and the power LED is no longer lit.

Login

To access your CloudStor, open a browser and go to *https://mycloudstor.com*. Enter the email address and password that you registered during setup.



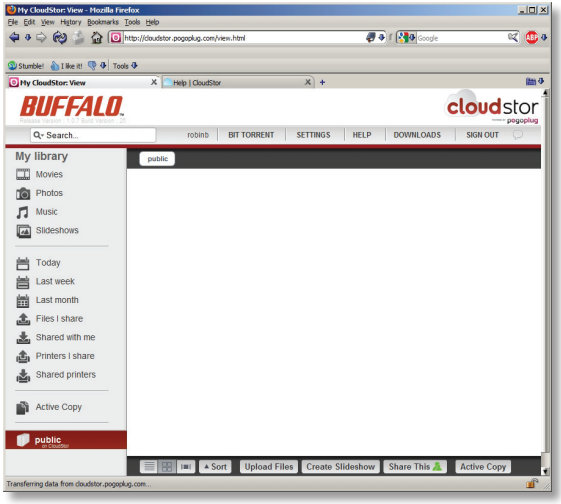
Uploading

Locate the drive and folder you would like to upload to. If this is your first time using the CloudStor, click on the *Public* folder at the bottom left of the window.

Click *Upload Files* on the toolbar at the bottom of the screen.

When the upload files dialogue appears, select *Add File(s)* and choose the file(s) you would like to upload.

Click *Upload*.

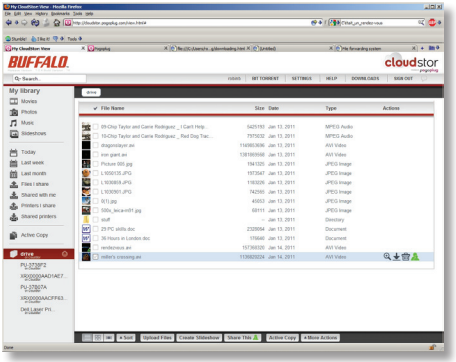


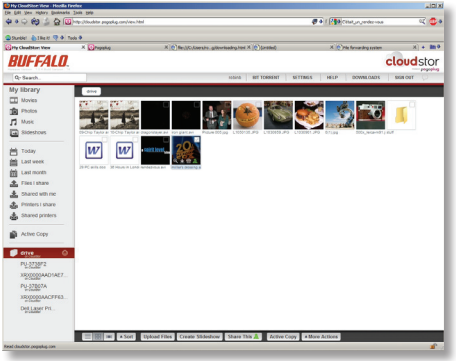
Downloading

Locate the folder or file you would like to download and point to it with your mouse pointer.

If you're in List view, the control icons will appear to the right of the folder in the "Actions" column. In Thumbnail view, they'll be at the bottom of the folder icon. In either view, click the icon that is an arrow pointing down.

When the save file dialogue box appears, click *OK* to save the file. The file will save to the download location specified in your browser preferences. If you are downloading an entire folder, it will be compressed to a .zip file automatically before download.





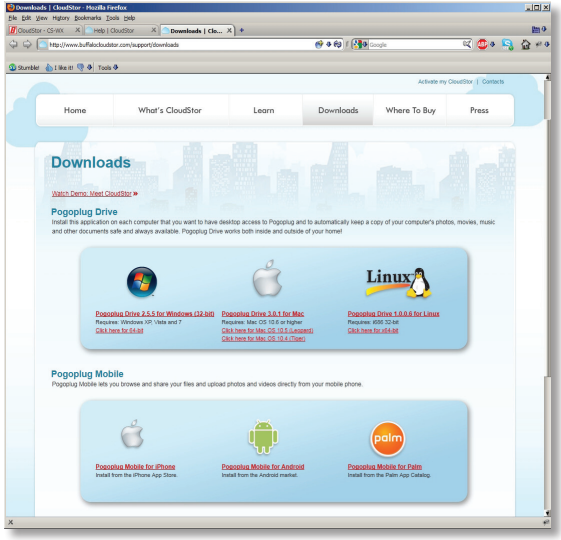
Pogoplug Applications

Pogoplug Drive software allows your CloudStor to appear to your computer as a directly attached drive. You can see and access all drives and folders shared with you via the *Files Shared with me* folder. This works whether you are on the local network or outside of it.

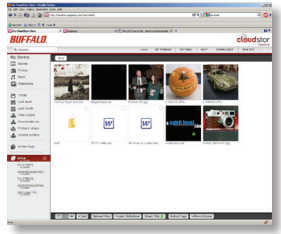
Pogoplug Mobile software for iPhone, iPad, and Android devices give you the ability to access files on your CloudStor from anywhere, anytime on your mobile device.

To download the Pogoplug applications visit *www.buffalocloudstor.com/support/downloads*.

Note: Because the software is client based and the CloudStor drives are not physically attached to your computer, there are some limitations to what you can do with them. For example, CloudStor drive maintenance through the software is not supported.



Sharing

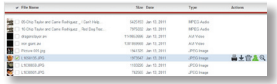


Sharing on your CloudStor is quick and easy. You can share with one or multiple people.

To share a drive, folder, or file:

1. To share an entire drive so all folders and files are shared, select the drive at the bottom left of your screen.

2. Next, click *Share This* on the menu bar at the bottom of your screen.



3. To share a folder on the drive, or an individual file, click the green *Share* icon. Depending on what view you are in, this icon will appear either to the right of the folder or file in the “Actions” column or at the bottom of its icon.

4. If you click on *Share This* or *Share*, the sharing options window will open at the bottom of your screen.

5. Check the box next to *Turn on sharing*.

6. Enter the email address of the person you would like to share the folder with in the textbox located under “Invite People” and click *Invite*. You may share with multiple people by adding multiple email addresses separated by either a comma or semicolon. Email addresses you enter are saved into the address book for easy access.

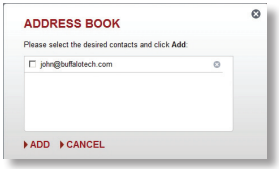
7. You have the option to send a message to the user you are sharing with by clicking *Include a personalized message*. A text box will appear where you can type your message.

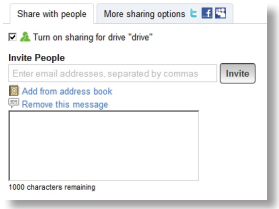
8. The email address of each person you are sharing with will appear in the table under “People this folder is shared with”.

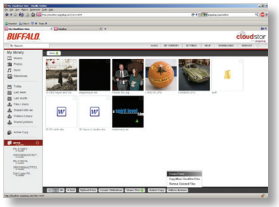
9. If you would like to allow a person you are sharing with to upload files (giving them “write” privileges), select *Full access* from the drop down menu next to their email address.

10. A link will be emailed to the users you have shared with. If you have given them write privileges, they will need to create a password for themselves. If they do not create a password, they will not be able to upload to the shared folder.

Note: The link to the shared folder will expire 2 weeks from the time it was generated and sent. If the user it is being shared with has not created an account and password they will no longer be able to access the share. If the owner of the share removes them from the share list and adds them again, a new link will be generated and sent with a 2 week expiration.





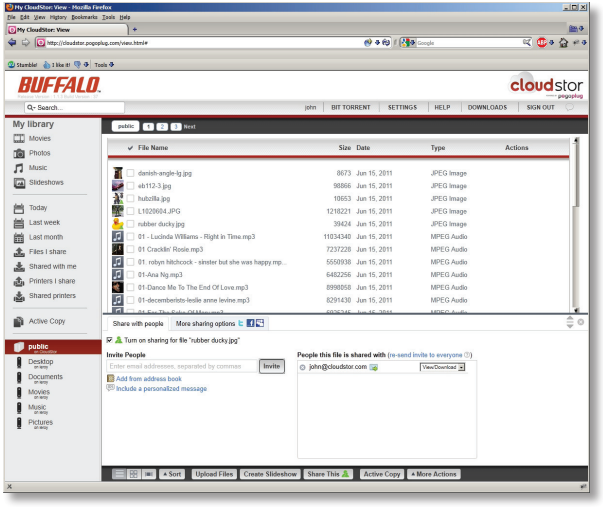


To stop sharing a drive, folder, or file:

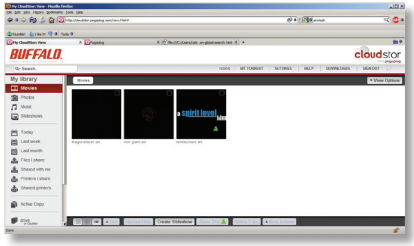
1. Select the drive, folder, or file.

2. Click *Share This* or *Share* to open the sharing options window.

3. To stop sharing the drive, folder, or file with anyone, uncheck *Turn on sharing*. Or, click the ⊗ next to an individual email address to stop sharing with that person.

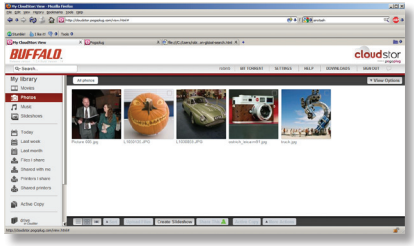


Search



You can use the global search categories *Movies*, *Photos*, and *Music* on the top left side of the screen to display all of the movies, photos, and music that are on your CloudStor. Click on a category and the interface will display all of the files in that category.

The Movies category and the Photos category include a button at the top right of the screen that allows you to display your movies and photos by date.



The Music category includes buttons at the top right of the screen that allows you to sort your music by songs, artists, albums, and genres.

The Movies, Photos, and Music categories also include a button on the top right corner of the screen that allows you to sort your files by the source location.

If you find a file that you would like to locate on your hard drive(s), but cannot remember exactly where it is located, hover the mouse pointer over the file and click the folder icon.

Slideshows

You can create slideshows that include your favorite photos, videos, and music.

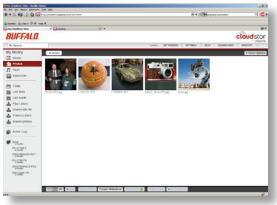
To create a slideshow follow these steps:

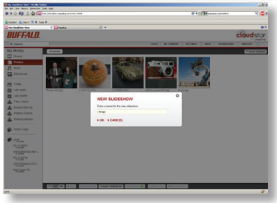
1. Select *Create Slideshow* from the menu at the bottom of the screen.

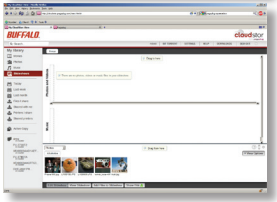
2. Enter a name for the new slideshow in the popup window.

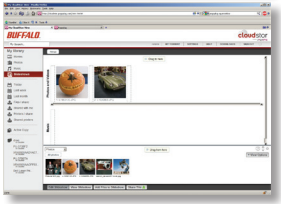
3. To add files to the slideshow, drag them from the bottom panel to the upper panel.

4. When you are finished adding everything to your slideshow, click *View Slideshow* at the bottom of the screen to play the slideshow.







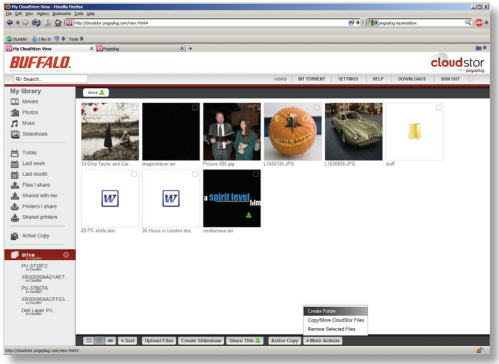


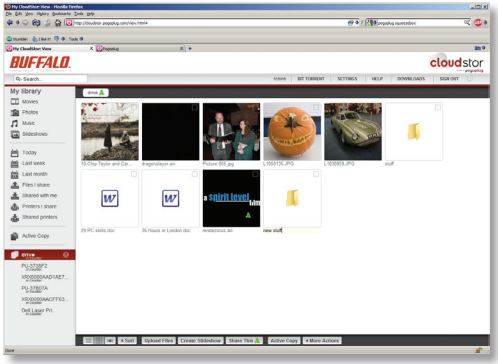
Creating New Folders

In the drive navigation bar at the left of the screen, select the drive and directory where you would like to create the new folder.

Click *More Actions* at the bottom of the page. Then click *Create Folder*.

Give your new folder a name.

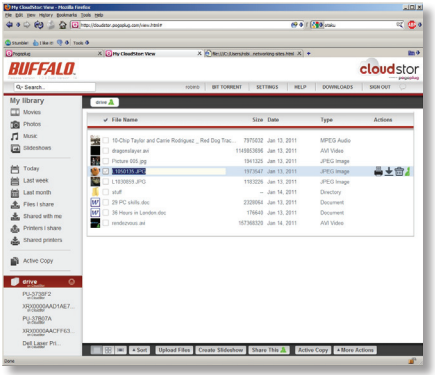




Renaming Files and Folders

Focus your mouse pointer on the name of the folder or file you would like to rename and click it. You can then change the name of the file or folder.

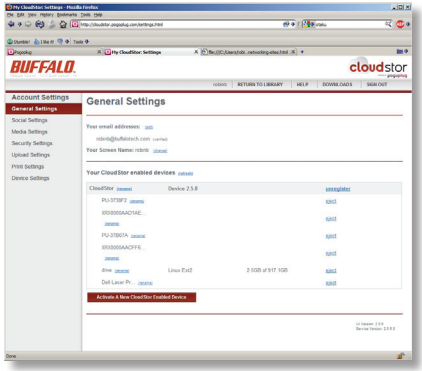
In list view, click the “abc” icon next to the name to change the name of the file or folder.



Renaming Devices

Click the *Settings* tab at the top of the window.

You will see a list of your CloudStor devices. Next to each device there is a *rename* link. Click the link to enter a new name. Note that the “Public” folder cannot be renamed.

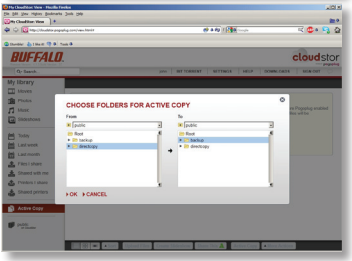


Active Copy

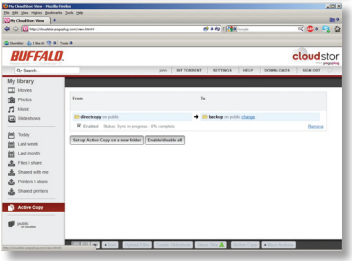
Active Copy automatically backs up a folder to a different folder. Source and target folders may be on your CloudStor, or on a different CloudStor or other Pogoplug device. If you have installed Pogoplug drive software on your computer, you can also use it with Active Copy.

To configure Active Copy, click on *Active Copy* in the left-side menu. Then click on *Set up Active Copy on a new folder*.

Choose the source folder on the left and the target folder on the right. Click *OK* when done.



Depending on how many files are in the source folder and the speed of the network between the two devices, it may take some time for Active Copy to complete.

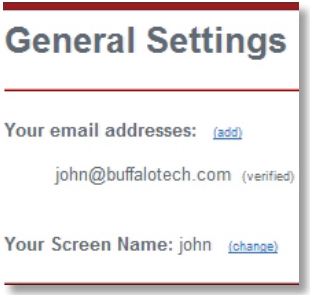


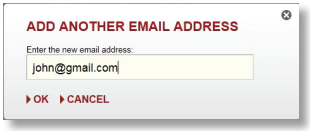
General Settings

From the settings window you can update your email addresses and manage the CloudStor device(s) associated with your account.

You may associate multiple email addresses with your account. Each email address has full access to all drives and shares associated with the account.

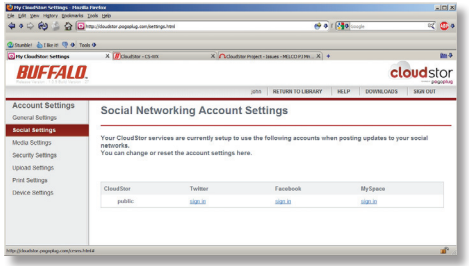
To add additional email addresses to your account, simply click the *add* link next to “Your email addresses”.





Social Settings

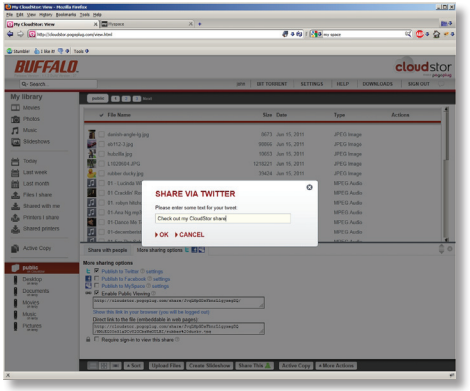
To allow posting to Twitter, Facebook, or MySpace from your CloudStor, log in to the appropriate service in *Social Settings*. To log in to a service, click *sign in* and step through the wizard.



Once you're logged in, you can share drives, folders, and files on your social networks. Select a drive, folder, or file and click *Share This* or *Share* to open the sharing options window.

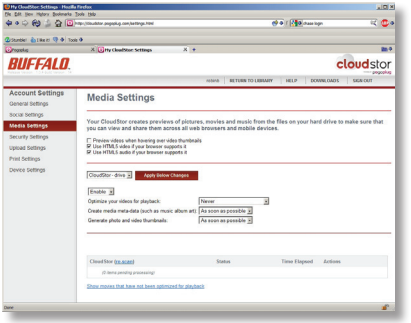
Click on the *More sharing options* tab. Put a check in the box next to each social network that you want to publish to.

Enter text for your post and click *OK*. Your text will be posted to the chosen social network(s), with a link to the drive, folder, or file that you're sharing.

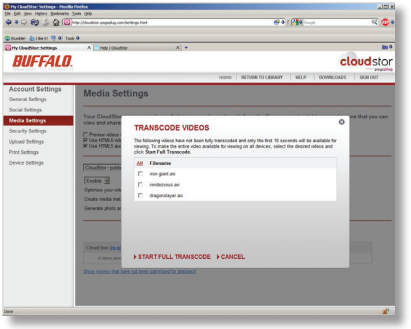


Media Settings

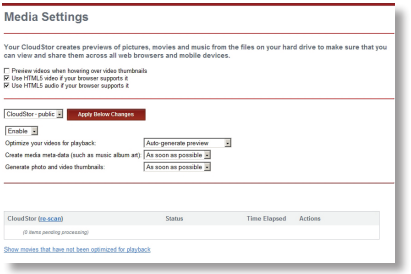
You can use CloudStor to stream movies, photos, and music to your XBox 360 and PS3 game consoles and to the game consoles of people you share with. You can also play back media files from the CloudStor with a computer browser if Flash is installed. The Media Settings screen also allows you to customize the options for how the CloudStor handles videos. There are 3 options: *optimize videos for playback* (convert into web friendly H.264 encoding), *create media meta-data* (fetch music album art, iPhoto dates, etc.), and *generate thumbnails* (which allows for previewing). All of these options can be turned on or off. Click *Apply Below Changes* to confirm your choice.



You have the option to manually optimize videos for playback. Click *Show movies that have not been optimized for playback*, select your desired videos from the popup menu, and click *OK*.



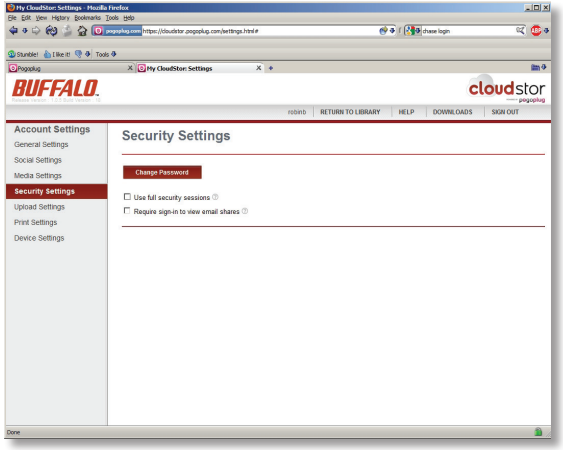
You can preview a video by hovering the mouse pointer over the thumbnail for a video. You can turn off this feature on the Media Settings page by unchecking *Preview videos when hovering over video thumbnails*. HTLM5 is supported for compatible Web browsers. Select the HTLM5 video or audio checkbox to enable this feature.


Media Settings
Your CloudStor creates previews of pictures, movies and music from the files on your hard drive to make sure that you can view and share them across all web browsers and mobile devices.
Preview videos when hovering over video thumbnails
Use HTML5 video if your browser supports it
Use HTML5 audio if your browser supports it
CloudStor - public
Apply Below Changes
Enable
Optimize your videos for playback:
Auto-generate preview
Create media meta-data (such as music album art):
As soon as possible
Generate photo and video thumbnails:
As soon as possible
CloudStor (re-scan)
Status
Time Elapsed
Actions
(0 items pending processing)
Show movies that have not been optimized for playback

Security Settings

Changing your Password

Click “Change Password” to change the password associated with your account.



Full Security

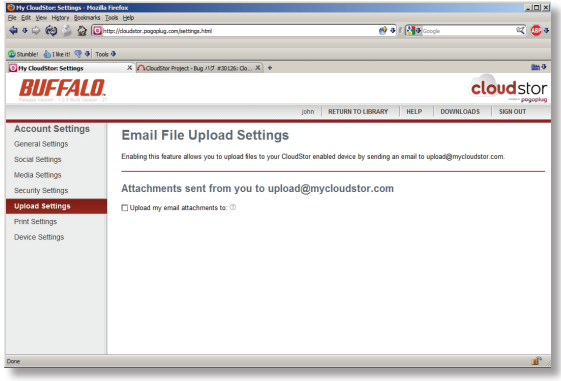
Check the box next to *Use full security sessions* to enable SSL (HTTPS) throughout your entire CloudStor session. Enabling this option may slow down access to your CloudStor. Note that even if this option is disabled, you will always automatically sign in with full security, keeping your password and account access safe.

Require sign-in to view email shares

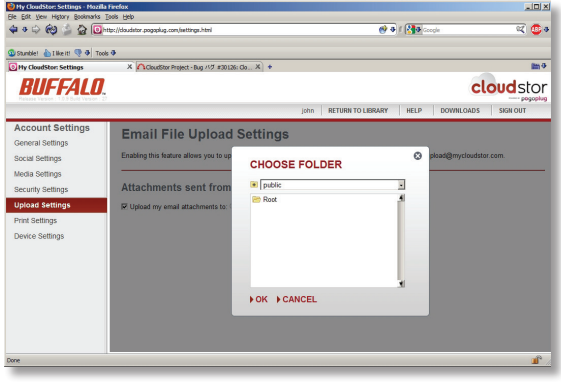
Check the box next to *Require sign-in to view email shares* to require the people you share with to enter a password before viewing the contents of the share. If they have not previously assigned a password with CloudStor, they will be prompted to add one. This feature can also be enabled after you select the file or folder you would like to share by clicking *Share This*, then *More sharing options*. Check *Require sign-in to view this share.*

Upload Settings

You may configure your CloudStor to automatically upload files that are emailed as attachments to upload@mycloudstor.com. Check the box next to *Upload my email attachments to*.



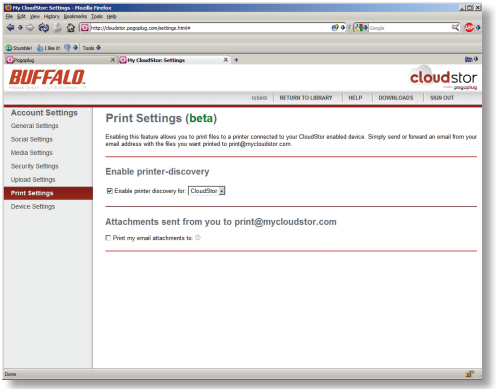
Choose a folder to store uploaded attachments, then click *OK*.



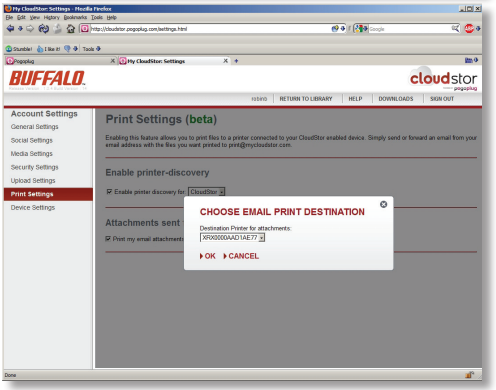
Adding a Printer

The CloudStor supports most Epson and HP printers manufactured since 2005. The printer should be directly connected to the USB port on the back of the CloudStor.

You can print documents that are stored on your CloudStor to a supported printer that's attached to the CloudStor. To enable this feature, go to *Print Settings* and check *Enable printer discovery*.



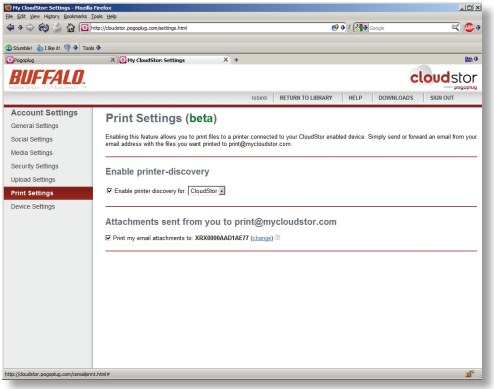
Select your CloudStor from the drop-down menu and click *OK*. You can then print documents stored on the CloudStor by clicking on the printer icon on the document's icon.



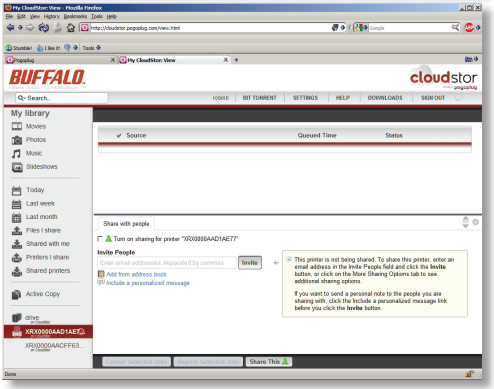
Enabling *Print my email attachments to* allows you to print files to the printer connected to your CloudStor by sending or forwarding an email from your registered email address with the files you want printed to *print@mycloudstor.com*.

Select the destination printer from the drop-down list and click *OK*.

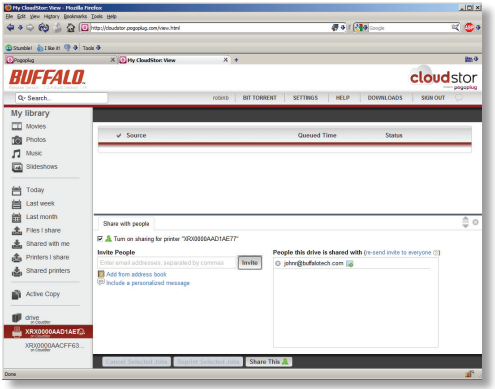
Any email attachment sent from your current CloudStor email address to print@mycloudstor.com will now print to the selected printer.



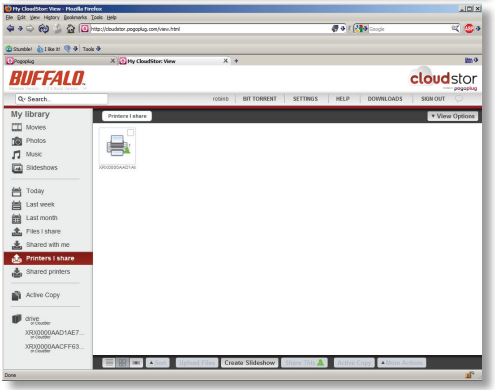
You can also allow others to print to the printer connected to your CloudStor by giving printing rights to their email addresses. To share the printer with someone else, click on your printer at the bottom left of the window. Click *Share This* at bottom of the screen. Enter an email address in the *Invite People* field. To include a note (optional), click *Include a personalized message*.



Click *Invite*. The person you've invited can now print documents by sending them as attachments to *print@mycloudstor.com*.

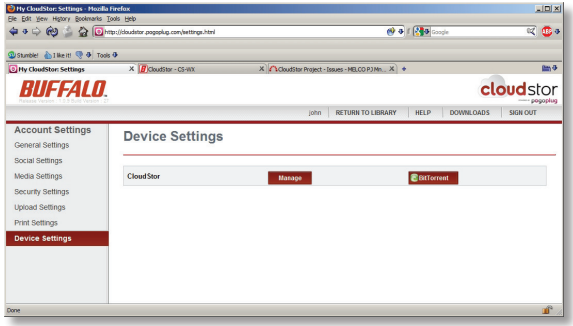


To view your shared printers, click *Printers I share* from the left-side menu.

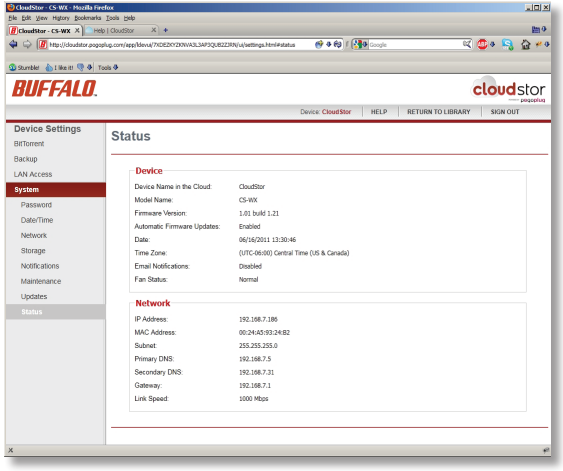


Device Settings

Click *Manage* to open local settings or *BitTorrent* to open BitTorrent settings.



Local Settings



The local settings may be accessed remotely via the Device Settings page or locally as follows:

Use NAS Navigator2 to find the CloudStor on the network. By default, it will be named CS-WXabc or CS-WVabc where “abc” is the last three digits of the MAC address of the CloudStor. Right-click and choose *open web admin.* Log in to the CloudStor. The default password is “password”.

BitTorrent - The BitTorrent folder is automatically created on the drive. If the CloudStor is in JBOD mode, then the BitTorrent folder is created on disk 1. To use BitTorrent, enter a username and password. By default, the username is “admin” and the password is blank (no password).

Backup - (Time Machine) The folder “timemachine” is automatically created on the drive. In JBOD mode, the folder is on disk 1. This folder is not visible from Windows. Time Machine targets can be added and removed from the UI.

LAN Access - You may enable or disable local network access to shares on the CloudStor here.

Password - This is the login password for the local UI. It's not related to the Cloud account. To change the login password for your CloudStor, enter a new password here (twice) and click *Save*. The default password is "password".

Date/Time - You may set the date and time on the CloudStor manually or automatically. If setting manually, enter a time zone, date, and time. Click *Use Local Time* to use the time from your computer. Click [Save] when done.

Network - You may configure the IP address settings on the CloudStor manually or automatically. Automatically (via DHCP) is recommended for most users. If *Manually* is selected, enter the appropriate network settings and click *Save*. This setting can only be changed when you are connected to the CloudStor locally as described above.

Storage - You may reconfigure the hard drive settings for the CloudStor here.

Notifications - Enable *Email Notification* to have your CloudStor automatically send you an email if errors occur. Click *Add* to enter the email addresses that notification will be sent to. Choose which events (Hard Drive Status, Fan Failure, and/or Disk Error) will trigger a notification. Click *Send Test Message* to send a sample email to registered addresses, or *Save* to save your changes and exit. Note: if your notification emails don't seem to arrive, check your junk folder!

Maintenance - Clicking *Restore* restores your CloudStor to its factory default settings. Normally, this doesn't affect data stored on the drive. However, you may choose to check *Erase data* before clicking *Restore*, which will erase all data on the drive, restoring the CloudStor to factory-fresh condition. If you choose to erase data, it may take several hours to complete.

Clicking *Rebuild Media Library* will recreate thumbnails and re-transcode your videos and movies. Active copy jobs to or from folders on the CloudStor will need to be restarted. This operation cannot be stopped or reversed.

Note: *Restore* and *Rebuild Media Library* can only be used when you are connected to the CloudStor locally.

Updates - If enabled, the CloudStor will be automatically updated with the latest firmware. This is enabled by default.

Status - This gives you current system settings for your CloudStor and information about the network.

Adding a Second Drive

You may add a second drive to the CloudStor for additional storage or data security. For RAID 1 mirroring, the second drive should be the same as or larger capacity than the original drive.

To add a second drive, turn the CloudStor off and remove the front panel. Insert the new drive into the open bay (for RAID, the new drive should be the same or larger capacity than the existing drive). Power the CloudStor on and go the the local user interface at http://x.x.x.x/, where x.x.x.x is the IP address of your CloudStor. The new drive will be listed in *Storage*. Click on *Change Disk Settings*. Select either *Keep them independent of each other* or *Group them (Disk Mirroring)*.

If independent, the new drive is formatted and the original drive is unchanged. The info/error LED flashes amber until the format is complete.

For RAID 1, the new drive is formatted into a mirror of the original drive. Data from the original drive will be stored on both drives simultaneously. The info/error LED flashes amber until the process is complete.

To replace a failed drive, go to the local user interface at http://x.x.x.x, where x.x.x.x is the IP address of your CloudStor. See which drive failed. Turn off the CloudStor and replace the bad drive. Turn the CloudStor back on and let it boot up. In the local user interface, click on *After replacing the drive, click here*. The array will be rebuilt.

To remove a drive that has not failed, put the drives into Independent mode. In the local user interface, select that drive to remove and click on *remove disk*. Power down the CloudStor and physically remove the drive.

In **Independent mode**, the disks are independent. They may contain different data. The full capacity of both drives is usable. There is no redundancy. If a drive fails, all data on that drive is lost.

In **RAID 1**, disk mirroring provides fault tolerance but also decreases overall capacity. An array of drives is created and the system saves the data to both hard drives in the array simultaneously. If a drive fails, the healthy drive continues to work and your data is accessible without interruption. Once the faulty drive is replaced and the array is rebuilt, the array is restored to its original condition.

When changing from Independent mode to RAID 1, you have three options:

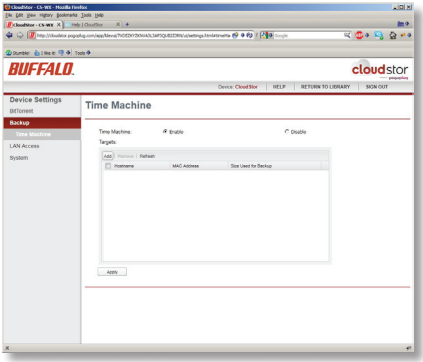
Keep the data from disk 1 (left drive in chassis)

Keep the data from disk 2 (right drive in chassis)

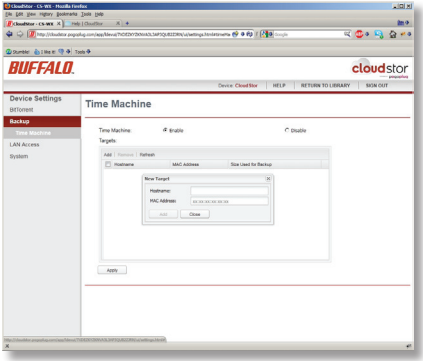
Don't keep any data

When changing from RAID 1 to Independent mode, all data is lost.

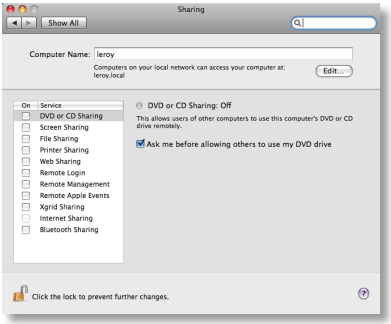
Time Machine



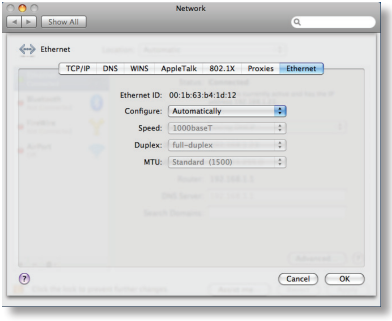
To use the CloudStor as a location for backups from a Mac running Time Machine, begin by navigating to *Device Settings/Backup* in the local user interface and clicking *Add*.



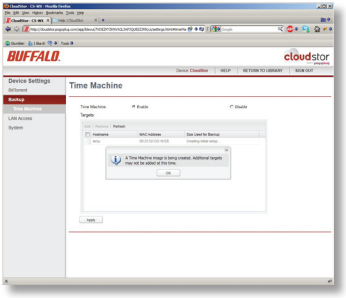
Enter the “Computer Name” assigned to the Mac (from its Sharing page) as the *Hostname*. For the *MAC address*, enter the Ethernet ID of the Mac from Advanced Settings in its Network Preferences page. See the next page for instructions on finding the right values for these fields. Click *Add* when done.



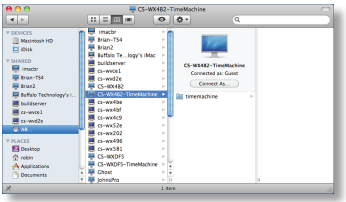
For the *Hostname* field, enter the "Computer Name" from the Sharing page on the Mac. Navigate to this page by selecting *Sharing* in *System Preferences*. To work with Time Machine, the Computer Name should contain only the following characters: 0123456789abcdefghijklmnopqrstu vwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ. Spaces, underscores, and other characters should not be used if Time Machine is to function properly.



For the *MAC address* field, enter the Ethernet ID from *Advanced Settings* in the *Network Preferences* page on the Mac. To get to this page, go to *System Preferences* and select *Network*. Highlight *Ethernet* on the left side and click the *Advanced* button. Click on *Ethernet* at the top right. If more than one Ethernet ID is listed, use the first one.



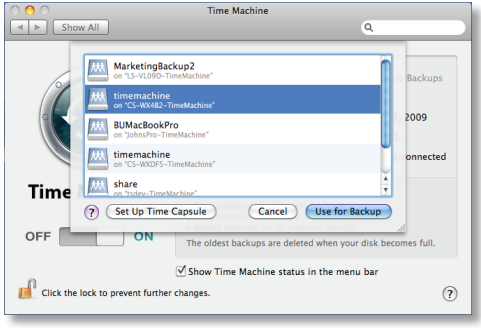
It will take several minutes for the Time Machine image file to be created. To be safe, wait three minutes before continuing.



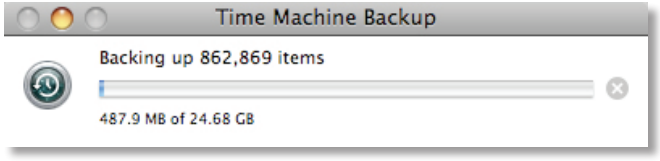
After three minutes have passed, open the Finder. Click on *All* below *Shared*. Find your CloudStor in the window and double-click on it. It will now appear below *Shared* on the left-side list. Close the Finder.

Time Machine
Show All
Choose Backup Disk...
Time Machine
Time Machine keeps copies of everything on your Mac, including system files, applications, and settings, as well as your music, pictures, and other important files. Since Time Machine keeps daily backups, you can revisit your Mac as it appeared in the past.
OFF
ON
Show Time Machine status in the menu bar
Click the lock to prevent further changes.

Open Time Machine. Click on *Choose Backup Disk*.



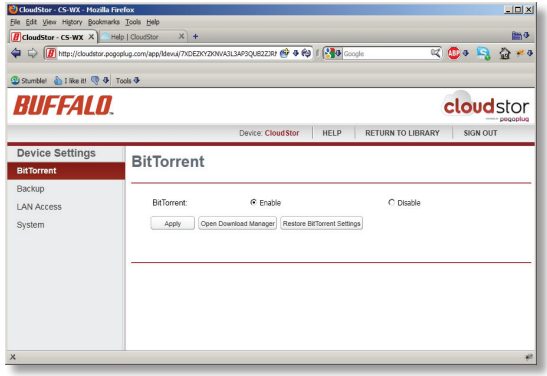
Choose your CloudStor from the list and click *Use for Backup*. In 120 seconds, Time Machine will begin running a backup.



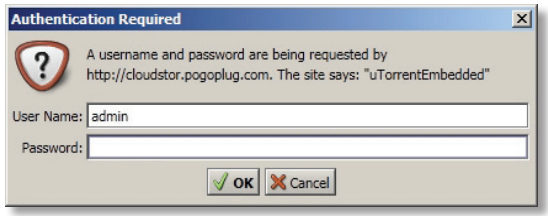
BitTorrent Client

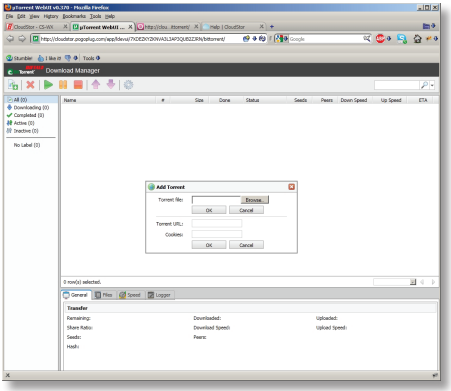
The built-in BitTorrent client on CloudStor will download your files for you. To enable it, select *Enable*. Click *Apply*.

Then, click *Open Download Manager*.

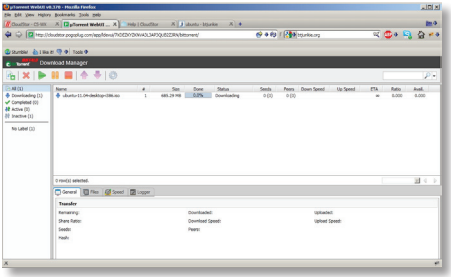


Enter your BitTorrent username and password. This is not the same as your CloudStor username and password. The default BitTorrent username is “admin” and the default password is blank (no password).



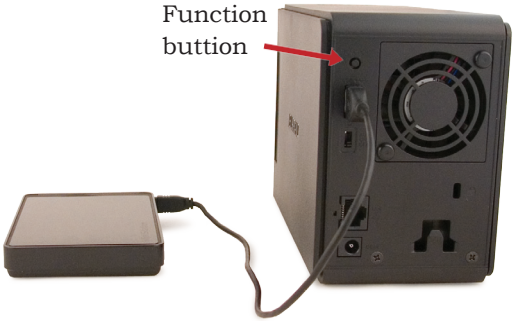


To add a torrent, click on the green download icon at the top left. The *Add Torrent* dialog will open. Click *Browse*, navigate to the torrent file, and open it, or enter the URL of the torrent in the *Torrent URL* field. Click *OK*.



The file(s) will automatically download in the background.

Direct Copy



You can copy digital media files directly to the CloudStor from a USB storage device, such as a digital camera, USB flash drive, or external hard disk.

Connect your USB device to the USB port on the back of the CloudStor. The function LED on the front of the unit will glow blue for 60 seconds.

While the function LED is still glowing blue, hold down the function button for 3 seconds. All files on the USB device are copied to the “directcopy” folder on the CloudStor.

Note: If the function LED does not glow blue when the device is connected, then the device is not compatible.

LED Error Codes:

If an operation error occurs, the info/error LED will flash red. It will alternate between flashing for 1 second (tens digit) and 1/2 second (ones digit). Combine the number of longer flashes with the number of shorter flashes to produce a two digit error code:

E00 - (no flashes) MPU failure
E01 - DRAM data line problem
E02 - DRAM address line problem
E03 - RTC chip error
E04 - failed to extract kernel
E06 - corrupted firmware
E07 - a hard disk was not found
E10 - UPS error
E11 - fan error
E15 - hard drive I/O error
E16 - no hard disks detected
E17 - internal controller error

E20 - circuit board error
E21 - internal controller error
E22 - mount error
E23 - hard disk is malfunctioning

LED Information Codes:

The info/error LED will flash amber to give information codes. Like the error codes, these alternate between flashing for 1 second (tens digit) and 1/2 second (ones digit). Combine the number of longer flashes with the number of shorter flashes to produce a two digit information code:

I19 - erasing disk
I23 - initializing system
I25 - updating firmware
I26 - initializing Web configuration
I27 - checking USB disk
I28 - formatting USB disk

Hard Drive:	3.5” SATA
Ethernet:	10/100/1000 Mbps RJ-45
USB Interface:	USB 2.0/1.1
Replacement Fan:	OP-FAN/LS
Replacement Power Supply:	OP-AC12L
Power Supply:	100-240 V 50/60 Hz
Client OS Support:	Windows® 7 (32-bit/64-bit), Windows Vista® (32-bit/64-bit), Windows XP, Windows Server® 2003/2008, Windows Server® 2003/2008 R2, Mac OS® X 10.4 or later
Power Consumption:	~17 W average; ~48 W max
Dimensions:	5.0” x 3.4” x 8.1” (127 x 86 x 206 mm)
Weight:	~3.3 pounds (1.5 kg)
Operating Environment:	41°-95° F, 5°-35° C; 20-80% non-condensing

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